

## DAFTAR PUSTAKA

1. Anwar, A., Akbar, S., Sadiqa, A., Kazmi, M., Novel Continuous flow Synthesis, Characterization And Antibacterial Studies Of Nanoscale Zinc Substituted Hydroxyapatite Bioceramics, *Inorganica Chimica Acta*, 2016, 453, 16–22.
2. Vallet-Regi, M., González-Calbet, J. M, Calcium Phosphates as Substitution of Bone Tissues, *Progress In Solid State Chemistry*, 2004, 32, 1–31.
3. Tank, K. P., Chudasama, K. S., Thaker, V. S., Joshi, M. J., *Pure and Zinc Doped Nano-Hydroxyapatite: Synthesis, Characterization, Antimicrobial and Hemolytic Studies*, Elsevier, *Crytal Growth*, Science Direct, 2014.
4. Shavandi, A., Wilton, V., Bekhit, A. El-Din A., Synthesis of Macro and Micro Porous Hydroxyapatite (HA) Structure From Waste Kina (Evechinus Chloroticus) Shells, *Journal of the Taiwan Institute of Chemical Engineers*, 2016, 65, 437–443.
5. Mirzaee, M., Vaezi, M., Palizdar, Y., Synthesis and Characterization of Silver Doped Hydroxyapatite Nanocomposite Coatings and Evaluation of Their Antibacterial and Corrosion Resistance Properties In Simulated Body Fluid, *Materials Science and Engineering C*, 2016, 69, 675–684.
6. Jamarun, N., Miftahurrahmi, Septiani, U., Synthesis of Hydroxyapatite from Halaban Limestone by Sol-Gel Method, *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 2016, 7, 5, 2956–2961.
7. Wahid, M. F. A., Mardziah, C. M., Hyie, K. M., Roselina, N. R. N., Synthesis and Characterization of Zinc Doped Hydroxyapatite for Bone Substitute Applications, *Applied Mechanics and Materials*, 2014, 660, 942–946.
8. Saryati, Gian S., S., Handayani, A., Supardi, Untoro, P., Sugeng, B., Hidroksiapatit Berpori Dari Kulit Kerang, *LIPI*, 2012, 395, 31–35.
9. Pinangsih, A. C., Wardhani, S., Darjito, Sintesis Biokeramik Hidroksiapatit ( $\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$ ) Dari Limbahtulang Sapi Menggunakan Metode Sol-Gel, *Student Journal*, 2014, 2, 1, 203–209.
10. Lukman, Populasi Pensi (*Corbicula Moltkiana*, Prime 1878) di Danau Maninjau Terkait Penangkapannya dan Aktivitas Karamba Jaring Apung, *Disertasi*, Program Studi Pengelolaan Sumberdaya Perairan, Institut Pertanian Bogor, Bogor, 2015.
11. Tanjung, L. R., Moluska Danau Maninjau: Kandungan Nutrisi dan Potensi Ekonomisnya, *LIMNOTEK*, 2015, 22, 2, 118–128.
12. Szcześ, A., Holysz, L., Chimbowski, E., *Synthesis of Hydroxyapatite For Biomedical Applications*, Elsevier, *Advances in Colloid and Interface Science*, Science Direct, Lublin, 2017.
13. Iqbal, N., Kadir, M. R. A., Mahmood, N. H., Salim, N., Froemming, G. R. A., Balaji, H. R., Kamarul, T., Characterization, Antibacterial and In Vitro Compatibility of

Zinc–Silver Doped Hydroxyapatite Nanoparticles Prepared Through Microwave Synthesis, *Ceramics International*, 2014, 40, 4507–4513.

14. Wahyuni, S., Dervina, Y., Ramli, Optimalisasi Temperatur Kalsinasi Untuk Mendapatkan Kalsit  $\text{CaCO}_3$  Dalam Cangkang Pensi (*Corbicula Moltkiana*) Yang Terdapat di Danau Maninjau, *Pillar of Physics*, 2015, 6, 81–88.
15. Rivera-Muñoz, E. M., *Hydroxyapatite-Based Materials: Synthesis and Characterization*, Prof. Reza Fazel, *Biomedical Engineering - Frontiers and Challenges*, In Tech, Mexico, 2011, available from: <http://www.intechopen.com/books/biomedical-engineering-frontiers-and-challenges/hydroxyapatitebased-materials-synthesis-and-characterization>.
16. Shepherd, D. Zinc-Substituted *Hydroxyapatite for The Inhibition of Osteoporosis, Hydroxyapatite (HAp) for Biomedical Applications*, Elsevier, Cambridge, 2015, 107–126.
17. Owen, G. J., Singh, R. K., Foroutan, F., Alqaysi, M., Han, C. M., Mahapatra, C., Kim, H. W., Knowles, J. C., Sol–Gel Based Materials for Biomedical Applications, *Progress in Materials Science*, 2016, 77, 1–79.
18. Chládová, A., Wiener, J., Luthuli, J. M., Zajíčová, V., Dyeing of Glass Fibres By The Sol Gel Method, *AUTEX Research Journal*, 2011, 1, 11, 18–23.
19. Sidiqa, A. N., Djustiana, N., Sunendar, B., Febrida, R., Surface Modification of Multilayer Coatings Ti-Al-Cr and Hydroxyapatite on Calcium Phosphate Cement with Sol-Gel Method, *Journal of Dentistry Indonesia*, 2012, 2, 19, 43–46.
20. Wang, Y., Sha, L., Zhao, J., Li, Q., Zhu, Y., Wang, N., Antibacterial Property of Fabrics Coated By Magnesium-Based Brucites, *Applied Surface Science*, 2016, <http://dx.doi.org/10.1016/j.apsusc.2016.12.188>.
21. Kolmas, J., Groszyk, E., Kwiatkowska-Różycka, D., Substituted Hydroxyapatites with Antibacterial Properties, *Hindawi Publishing Corporation BioMed Research International*, 2014.
22. Brouwer, P., *Theory of XRF*, 3, PANalytical B.V., Netherlands, 2010.
23. Bunaciu, A. A., Underistioiu, E. G., Aboul-Enein, H. Y., X-Ray Diffraction: Instrumentation and Applications, *Critical Reviews in Analytical Chemistry*, 2015, 45, 289–299.
24. Cullity, B. D., *Elements of X-Ray Diffraction*, Addison-Wesley Publishing Company, Inc., Indiana, 1956.
25. Abdullah, M., Khairurrijal, Review: Karakterisasi Nanomaterial, *Jurnal Nanosains & Nanoteknologi*, 2009, 1, 2. 1–9.
26. Chakraborty, S., Bag, S., Pal, S., Mukherjee, A. K., Struktural and Microstructural Characterization of Bioapatites and Synthetic Hydroxyapatite Using X-Ray Powder Diffraction and Fourier Transform Infrared Techniques, *Journal of Applied Crystallography*, 2006, 39, 385–390.

27. Li, M., Xiao, X., Liu, R., Chen, C., Huang, L., Structural Characterization of Zinc-Substituted Hydroxyapatite Prepared By Hydrothermal Method, *J Mater Sci: Mater Med*, 2008, 19, 797–803.
28. Esfahani, H., Salahi, E., Tayebifard, A., Rahimipour, M. R., Keyanpour-Rad, M., Influence of Zinc Incorporation On Microstructure of Hydroxyapatite To Characterize The Effect of pH and Calcination Temperatures, *Journal of Asian Ceramic Societies*, 2014, 2, 248–252.
29. Sogo, Y., Ito, A., Fukasawa, K., Sakurai, T., Ichinose, N., Zinc Containing Hydroxyapatite Ceramics To Promote Osteoblastic Cell Activity, *Materials Science and Technology*, 2004, 20, 1079–1083.
30. Bigi, A., Foresti, E., Gandolfi, M., Gazzano, M., Reveri, N., Inhibiting Effect of Zinc on Hydroxylapatite Crystallization, *Journal of Inorganic Biochemistry*, 1995, 58, 49–58.
31. Miyaji, F., Kono, Y., Suyama, Y., Formation and Structure of Zinc-Substituted Calcium Hydroxyapatite, *Materials Research Bulletin*, 2005, 40, 209–220.

